

FURMANIK, Alfred

(Warszawa)

What changes have been provided by the theses concerning
the amendment of the legislation on inventiveness and ra-
tionalization. Przegl budowl i bud mieszk. 33 no.1:9-13
Ja '61

FURMANIK, Alfred (Warszawa)

Means securing the mass development of the rationalizer
movement. Przegl budowl i bud mieszk, 33 no.4:239-241
Ap '61.

FURMANIK, Alfred

Means advancing the growth of the rationalization movement in
the construction and building material industries.
Przegl budowl i bud mieszk 34 no.6:509-510 Je '62

FURMANIK, Alfred (Warszawa)

The invention movement in the building industry and the building material industry. Przegl budowl i bud mieszk 34 no.11:669-671 N 162.

FURMANIK, Alfred (Warszawa)

Amendments to the provisions on inventiveness. Prze gl budowl
i bud mieszk 35 no.7:314-317 J1 '63.

FURMANIK, Alfred (Warszawa)

The way of rewarding the author of a rationalizing project
for prepared documentation. Przegl budowl i bud mieszk 33
. : no.7:423-424 J1'63.

FURMANIK, Alfred (Warszawa)

Amended legislation on inventiveness. Przegl budowl i bud
mieszk 36 no. 1:57-60 Ja '64.

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77537
SOV/80-33-1-46/49

AUTHORS: Gil'denblat, I. A., Furmanov, A. S., Zhavoronkov, N. M.

TITLE: Brief Communications. The Vapor Pressure Over Crystalline Naphthalene

PERIODICAL: Zhurnal prikladnoy khimii, 1960, Vol 33, Nr 1, pp 246-248 (USSR)

ABSTRACT: The dependence of vapor pressure of naphthalene in air on temperature from 16 to 50° was investigated. Hot, dry (or cooled) air was passed through naphthalene. The pressure was determined by the loss of weight of naphthalene. (See Table A.) There are 2 figures; 1 table; and 7 references, 1 Soviet, 1 German, 3 U.S., 2 U.K. The U.S. and U.K. references are: J. C. Chu, J. Kalil, W. Wetteroth, Chem. Eng. Prog., 49, 141 (1953); H. L. Shulman, C. F. Ullrich, A. Z. Proulx, J. O. Zimmerman, A. I. Ch. E. J., 1, 253 (1955); G. W. Sears, E. R. Horke, J. Am. Chem. Soc., 76, 2026 (1954); J. S. G. Thomas, J. Soc. Chem. Ind., 35, 506

Card 1/3

77537, SOV/80-33-1-46/49

Table A: (a) Temperature (in ° C); (b) airfeed rate (in l/min); (c) vapor pressure (in mm).

(a)	(b)	(c)	(a)	(b)	(c)
16.15	0.12	0.0351	28.6	0.24	0.1251
16.15	0.24	0.0314	32.5	0.11	0.1776
18.15	0.12	0.0417	32.5	0.24	0.1750
18.15	0.24	0.0435	32.5	0.24	0.1759
19.8	0.11	0.0490	37.4	0.24	0.2671
19.8	0.24	0.0492	37.4	0.11	0.2780
21.1	0.12	0.0560	40.25	0.12	0.3498
21.1	0.24	0.0578	40.25	0.24	0.3498
23.2	0.24	0.0714	42.6	0.05	0.4338
23.2	0.11	0.0715	42.6	0.09	0.4346
26.15	0.12	0.0919	42.6	0.09	0.4348
26.15	0.24	0.0939	50.3	0.05	0.8459
28.6	0.11	0.1228	50.3	0.10	0.8401
28.6	0.24	0.1226	50.3	0.10	0.8393

Card 2/3

Brief Communications. The Vapor Pressure
Over Crystalline Naphthalene

307, 31 1:1-6/49

(1916); R. S. Bradley, T. G. Cleasby, J. Chem. Soc.,
1960 (1953).

ASSOCIATION: D. I. Mendeleev Moscow Chemical-Technological Institute
(Moskovskiy khimikotekhnologicheskii institut imeni
D. I. Mendeleeva)

SUBMITTED: July 21, 1959

Card 3/3

FURMANOV, E. K.

Safe-spark, non-battery mine telephone communication. Moskva, Ugletekhizdat, 1951.
(Mic 53-853)
Collation of the original: 53 p.

Microfilm T-14

Formanov, B.M.
FORMANOV, B.M., inzhener

The problem of establishing an evaluation criteria of spark proof electric systems. Nauch.rab. VUGI no.11:124-141 '54 (MLRA 8:11)
(Electricity in mining) (Coal mines and mining--Safety measures)

FURMANOV, B.M.

Organizational bases of telephone communication. Ugol' 29 no.9:
28-29 S '54. (MLRA 7:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy ugol'nyy institut.
(Mine communication)

STEPANOV, V.N.; FURMANOV, B.M., redaktor; KOROVENKOVA, Z.A., tekhnicheskii redaktor; ANDREYEV, G.G., tekhnicheskii redaktor.

[Laboratory manual in general electric engineering; for mining schools specializing in electromechanics] ^Uukovodstvo k laboratornym rabotam po obshchei elektrotekhnike; dlia gornykh tekhnikumov po spetsial'nosti gornaya elektromekhanika.
Moskva, Ugletekhizdat, 1955. 137 p. [Microfilm] (MLRA 9:1)
(Electric engineering)

FURMANOV, Boris Moiseyevich; SHIRYAYEV, Boris Mikhaylovich; FOMIN, G.M.
redaktor; MADEINSKAYA, A.A., tekhnicheskiiy redaktor.

[Mine telephone system] Shakhtnaia telefonnaia svyaz'. Moskva,
Ugletekhnizdat, 1955. 151 p. (MLRA 8:9)
(Mine communication)

TSAR'KOV, Boris Aleksandrovich; FURMANOV, B.M., redaktor; ALADOVA, Ye.I.,
tekhnicheskii redaktor.

[Signaling, centralization, block-systems and communications in
underground transportation] STsB, signalizatsiia i svias' na
podzemnom transporte. Moskva, Ugletekhizdat, 1955. 335 p. (MLRA 9:4)
(Mine railroads)

FURMANOV, B.M.

ALATORTSEV, S.A., prof., doktor tekhn.nauk; ANDREYEV, A.V., kand.tekhn.nauk; ANCHAROV, I.L., inzh.; BALINSKIY, S.I., inzh.; BELOUSOV, V.G., inzh.; VINITSKIY, K.Ye., kand.tekhn.nauk; VLASOV, V.M., inzh.; VORONTSOV, N.P., kand.tekhn.nauk; GIPSMAN, M.K., inzh.; GLUZMAN, I.S., kand.tekhn.nauk; GUR'YEV, S.V., kand.tekhn.nauk [deceased]; DEMIN, A.M., kand.tekhn.nauk; YEGORNOV, G.P., kand.tekhn.nauk; YEFIMOV, I.P., inzh.; ZHUKOV, L.I., kand.tekhn.nauk; ZEL'TSER, N.M., inzh.; KOSACHEV, M.N., kand.tekhn.nauk; KOTOV, A.F., inzh.; KUDINOV, G.P., inzh.; LAPOVENKO, N.A., kand.tekhn.nauk; MAZUROK, S.F., inzh.; MEL'NIKOV, N.V.; MUDRIK, N.G., inzh.; NIKONOV, G.P., kand.tekhn.nauk; ORLOV, Ye.I., inzh.; POTAPOV, M.G., kand.tekhn.nauk; PRIEDSKIY, G.V., inzh.; RZHEVSKIY, V.V., prof., doktor tekhn.nauk; RYAKHIN, V.A., kand.tekhn.nauk; SIMKIN, B.A., kand.tekhn.nauk; SITNIKOV, I.Ye., inzh.; SOROKIN, V.I., inzh.; STASYUK, V.N., kand.tekhn.nauk; STAKHEVICH, Ye.B., inzh.; SUSHCHENKO, A.A., inzh.; TYUTIN, I.F., inzh.; TYMOVSKIY, L.G., inzh.; FISENKO, G.L., kand.tekhn.nauk; FURMANOV, B.M., inzh.; SHATAYEV, M.G., inzh.; SHESHEKO, Ye.F., prof., doktor tekhn.nauk; TERPIGOREV, A.M., glavnyy red. [deceased];

(Continued on next card)

ALATORTSEV, S.A.---(continued) Card 2.

KIT, I.K., zamestitel' glavnogo red.; SHESHKO, Ye.F., zamestitel' otv.red.; BUGOSLAVSKIY, Yu.K., red.; BYKHOVSKAYA, S.H., red.; DIONIS'YEV, A.I., kand.tekhn.nauk, red.; KOZIN, Yu.V., red.; SOKOLOVSKIY, M.M., red.; YASTREBOV, A.I., red.; DEMIDYUK, G.P., kand.tekhn.nauk, red.; KRIVSKIY, M.N., kand.tekhn.nauk, red.; LYUBIMOV, B.N., inzh., red.; MOLOKANOV, P.L., inzh., red.; REISH, A.K., inzh., red.; RODIONOV, L.Ye., kand.tekhn.nauk, red.; SLAVUTSKIY, S.O., inzh., red.; TRAKHMAN, A.I., inzh., red.; TRYMOVSKIY, L.G., inzh., red.; FIDELEV, A.S., doktor tekhn.nauk, red.; SHUKHOV, A.N., kand.tekhn.nauk, red.; TER-IZRAEL'YAN, T.G., red. izd-va; PROZOROVSKAYA, V.L., tekhn.red.; KONDRAT'YEVA, M.A., tekhn.red.

(Continued on next card)

ALATORTSEV, S.A.---(continued) Card 3.

[Mining; an encyclopedic dictionary] Gornoe delo; entsiklopedicheski spravochnik. Glav.red.A.M.Terpigorev. Chleny glav.red.A.I.Baranov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.10. [Mining coal deposits by the open-cut method] Razrabotka ugol'nykh mestorozhdenii otkrytym sposobom. Redkollegia toma; N.V.Mel'nikov i dr. 1960. 625 p.

(MIRA 13:2)

1. Chlen-korrespondent AN SSSR (for Mel'nikov).
(Coal mines and mining) (Strip mining)

FURMANOV, B M

26

PHASE I BOOK EXPLOITATION

SOV/5473

Gornoye delo; entsiklopedicheskiy spravochnik. t. 8: Statsionarnoye elektromekhanicheskoye oborudovaniye. Elektrosnabzheniye shakht (Mining Industry; an Encyclopedic Handbook. v. 8: Stationary Electro-mechanical Equipment. Electric Power Supply to Mines) Moscow, Gosgortekhnizdat, 1960. 784 p. Errata slip inserted. 18,500 copies printed.

Chief Ed.: A. M. Terpigorev (Deceased); Members of the Editorial Board: A. I. Baranov, F. A. Barabarov (Deceased), A. A. Boyko, V. K. Buchnev, A. N. Zaytsev; Deputy Chief Eds.: I. K. Kit and N. V. Mel'nikov; I. N. Plaksin, N. M. Pokrovskiy, A. A. Skochinskiy (Deceased), A. O. Spivakovskiy, I. K. Stanchenko, A. P. Sudoplatov, A. V. Topchiyev, S. V. Troyanskiy, A. K. Kharchenko, L. D. Shevyakov and M. A. Shchedrin; Editorial Board for this volume: Resp. Ed.: F. A. Barabanov; Deputy Resp. Ed.: Z. M. Melamed; N. A. Arzamasov, G. M. Yelanchik, V. K. Yefremov, B. I. Zasadych; I. M. Zhumakhov, N. A. Letov, P. P. Nesterov, I. A. Rablnovich, K. I. Skorkin, and V. A. Sumchenko; Authors: G. A.

Card 1/18

Mining Industry (Cont.)

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26

Babak, Candidate of Technical Sciences, V. D. Belyy, Professor,
Doctor of Technical Sciences, K. S. Borisenko, Candidate of Technical
Sciences, A. G. Borumenskiy, Candidate of Technical Sciences, I. V.
Brusilovskiy, Candidate of Technical Sciences, A. R. Bushel', Candi-
date of Technical Sciences, V. P. Bukhgal'ts, Engineer, M. N. Vasilevskiy,
Candidate of Technical Sciences, A. N. Vas'kovskiy, Engineer, B. N.
Vlasenko, Engineer, I. Ya. Gershikov, Engineer, V. G. Geyer, Professor,
Doctor of Technical Sciences, A. D. Dimashko, Engineer, V. S. Dulin,
Candidate of Technical Sciences, I. L. Lokshin, Engineer, B. M. Melamed,
Engineer, Yu. A. Mikheyev, Engineer, V. P. Morozov, Engineer, M. I.
Mushkatin, Engineer, V. S. Pak, Academician, I. M. Perskaya, Engineer,
N. M. Rusanov, Candidate of Technical Sciences, G. P. Savel'yev, Candi-
date of Technical Sciences, Ya. M. Smorodinskiy, Candidate of Technical
Sciences, K. A. Ushakov, Honored Scientist and Technologist, Professor,
Doctor of Technical Sciences, B. M. Furmanov, Engineer, and N. N. Cher-
navkin, Engineer. Eds.: Ya. M. Drozdov, Engineer, B. I. Zasadych,

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Mining Industry (Cont.)

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Candidate of Technical Sciences, N. S. Karpyshev, Candidate of Technical Sciences, N. A. Letov, Candidate of Technical Sciences, Z. M. Melamed, Candidate of Technical Sciences, Yu. A. Mikheyev, Engineer, V. P. Morozov, Engineer, V. I. Polikovskiy, Professor, Doctor of Technical Sciences, I. A. Rabinovich, Engineer, M. S. Rabinovich, Candidate of Technical Sciences, I. A. Raskin, Engineer, V. S. Tulin, Engineer, S. Ye. Untgovskiy, Engineer, K. A. Ushakov, Honored Scientist and Technologist, Professor, Doctor of Technical Sciences, M. M. Shemakhanov, Candidate of Technical Sciences, P. F. Shishkov, Candidate of Technical Sciences, and V. B. Yablonovskiy, Engineer; Eds. of Publishing House: N. A. Arzamasov and T. I. Rybal'nik; Tech. Ed.: V. L. Prozorovskaya and M. A. Kondrat'yeva.

PURPOSE: This handbook is intended for mining and mechanical engineers as well as for other skilled personnel of the mining industry concerned with the handling and operation of various installations and equipment used in mines.

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Mining Industry (Cont.)

SOV/5473

COVERAGE: Volume VIII of the mining handbook contains detailed information on mine hoisting installations, machines and equipment, mine ventilation units, duct systems, dewatering facilities, various types of pumps, pump meters, pumping stations, and the automatic remote control of these units. The handbook also describes and explains the operation of the air compression units and compressors. Heat-generating and heat-supply equipment of mines is described, as are the electric power supply systems and other electrical equipment such as transformers, power distribution systems, and grounding devices. Telephone communication and signaling systems used in mines are also treated. No personalities are mentioned. Each part of the handbook is accompanied by references, mostly Soviet.

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INDUSTRIAL SIGNALING IN MINES
(B. M. Furmanov, Engineer)

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FURMANOV, B.M.

All-Union Conference on High-Frequency Communications and Television
in Coal Mining. Ugol' 35 no.6:60 Je '60. (MIRA 13:7)
(Mine communications)
(Industrial television)

FURMANOV, B.M., inzh.; GERASIMOV, V.F., tekhn. red.

[Contribution to the theory of spark prevention in inductive electrical networks] K voprosu o teorii iskrobezopasnosti induktivnykh elektricheskikh tsepei; tekhnicheskaya informatsiya k diskussii po nauchnym osnovam iskrobezopasnosti. Moskva, In-t gornogo dela im. A.A.Skochinskogo, 1961. 57 p. (MIRA 15:11)

(Electric networks) (Electric discharges)

BUN'KO, Viktor Aleksandrovich; VOLOTKOVSKIY, Sergey Andronovich,
doktor tekhn. nauk, prof.; ROL'NIK, Mikhail Abramovich;
FURSOV, Viktor Dmitriyevich; FURMANOV, B.M., otv. red.;
BELOV, V.S., red. izd-va; OVSEYENKO, V.G., tekhn. red.

[Remote control and communications in mining] Rudnichnaja te-
lemekhanika i sviaz'. [By] V.A.Bun'ko i dr. Moskva, Gpssgor-
tekhizdat, 1962. 258 p. (MIRA 16:1)
(Remote control) (Mine communications)

FURMANOV, B.M., inzh.

Unstable nature of igniting explosive mixtures with electric sparks.
Mekh. i avtom. v gor. prom. no.3:287-299 '63. (MIRA 16:10)

S/193/63/000/002/002/007
A004/A101

AUTHORS: Bezumenko, V. G., Furmanov, B. V.

TITLE: Automating the shot-blasting apparatus of electric-arc pipe welding installations

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 2, 1963, 6 - 8

TEXT: The electric pipe welding shop of the Dnepropetrovskiy truboprokatnyy zavod im. Lenina (Dnepropetrovsk Pipe Rolling Plant im. Lenin) has fitted two pipe rolling mills with devices for blowing the shot from the strip emerging from the shot-blasting chamber and returning the shot into the shot-blasting chamber elevator. Also the switching-off of the compressed air-shot mixture feed into the nozzle has been automated. Thus the shot hitherto remaining on the strip when the latter left the shot-blasting chamber cannot any more impair the tube rolling operation. The authors describe the layout and functioning of the new apparatus and point out that the automation of the shot-blasting installation made it possible to dispense with four attendants and considerably improve the working conditions in this section of the plant. There is 1 figure.

Card 1/1

ARKAD'YEV, Aleksandr Georgiyevich; BRAVERMAN, Emmanuil Markovich;
FURMANOV, D.S., red.

[Teaching of a machine to recognize patterns] Obuchenie
mashiny raspoznavaniyu obrazov. Moskva, Nauka, 1964. 110 p.
(MIRA 17:12)

SKLYAREVICH, Akiva Nukhimovich; PUGACHEV, V.S., doktor tekhn. nauk,
prof., retsenzent; FURMANOV, D.S.

[Operator methods in the statistical dynamics of automatic
control systems] Operatornyo metody v statisticheskoi dina-
mike avtomaticheskikh sistem. Moskva, Nauka, 1965. 459 p.
(MIRA 12:3)

MEIEROV, Mikhail Vladimirovich; FEL'DBAUM, A.A., prof., re'senzent;
FURMANOV, D.S., red.

[Systems of multiple-coupled control] Sistemy mnogosvaz-
nogo regulirovaniia. Moskva, Nauka, 1965. 384 p.
(MIRA 18:9)

FURMANOV, I.M.

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PHASE I BOOK EXPLOITATION

SOV/2529

Fastovskiy, Izya Abramovich and Il'ya Mikhaylovich Furmanov

Poisk istochnikov industrial'nykh radiopomekh i ikh issledovaniye (Detection and Investigation of Industrial Sources of Radio Interference) Leningrad, Sudpromgiz, 1959. 60 p. 26,200 copies printed.

Resp. Ed.: A. Ye. Vorontsov; Ed.: B. I. Leonova; Tech. Ed.: L. M. Shishkova.

PURPOSE: This booklet is intended for engineers and technicians concerned with industrial radio interference.

COVERAGE: The authors discuss the purpose, fields of application, characteristics and methods of operation of special devices for analyzing radio interferences. They describe a radio interference detector, a television interference meter, special instrument generators, a spectrum analyzer and probability distribution analyzers. No personalities are mentioned. There are 6 references: 5 Soviet and 1 German.

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FURMANOV, I. I.

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PHASE I BOOK EXPLOITATION

SOV/2240

Fastovskiy, Izya Abramovich and Il'ya Mikhaylovich Furmanov

Tipovyye pribory dlya izmereniya industrial'nykh radiopomekh (Standard Instruments for Measuring Industrial Radio Interferences) Leningrad, Sudpromgiz, 1959. 119 p. 41,200 copies printed.

Resp. Ed.: A. Ye. Vorentsov; Ed.: D. P. Smirnova; Tech. Ed.: L. M. Shishkova.

PURPOSE: This booklet is intended for electrical and radio engineers dealing with problems of suppression of radio interferences.

COVERAGE: The authors describe electrical circuits and standard interference meters used for determining the intensity of radio interferences. They discuss basic characteristics of interference-measuring devices. They also explain methods of measuring voltages and interference levels. The authors also discuss problems of calibration and of checking the accuracy of interference meters used in the frequency range between 0.15 and 1000 mc and present their characteristics. Devices discussed in this booklet were developed by TsLIR - Tsentral'naya laboratoriya po bor'be s industrial'nyimi radiopomekhami (Central Laboratory for Combatting Industrial Radio Interferences). No personalities are mentioned. There are 13 references.

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Standard Instruments (Cont.)

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11 Soviet and 2 English.

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AUTHOR:

Furmanov, I.M.

SOV/115-59-3-22/29

TITLE:

A Tube Voltmeter for a Radio Interference Meter According to International Parameters (Lampovyy vol't-metr dlya izmeritelya radiopomekh po mezhdunarodnym parametram)

PERIODICAL:

Izmeritel'naya tekhnika, 1959, Nr 3, pp 48-51 (USSR)

ABSTRACT:

The specifications for a tube voltmeter to be used with a radio interference measuring device, established by the International Special Committee for Radio Interference, are discussed. These specifications do not exclude the application of a Soviet-made instrument, composed of a 6N3P vacuum tube and an M-24 micro-ammeter as shown by the circuit diagram, figure 1. The author mentions that the errors will be considerable and explains briefly the application of the instrument. There are 1 diagram, 1 graph and 5 references, 3 of which are Soviet and 2 English.

Card 1/1

FURMANOV, I.M.

Practical determination of certain parameters of circuits and tubes in resonance amplifiers. Radiotekhnika 14 no.1:68-69 Ja '59. (MIRA 12:2)

1. Deystvitel'nyy chlen Nauchno-tekhnicheskogo obshchestva radiotekhniki i radiosvyazi.
(Amplifiers, Electron tube)

85727

6,9460 (2101, 2903, 3203, 3303, 3503, 3703)

S/108/60/015/006/012/012/XX
B010/B070AUTHOR: Furmanov, I. M., Member of the SocietyTITLE: Input Impedance of Noise Meters for the Radiofrequency¹
Range

PERIODICAL: Radiotekhnika, 1960, Vol. 15, No. 6, pp. 70-73

TEXT: After the calculation of the input impedance of conventional radio-noise meters, some disadvantages of the usual input circuit in combination with an artificial antenna are pointed out, which may be avoided by a new design of the input circuit. The problem in radio-noise meters consists in obtaining comparable values for the two noise signals one of which comes indirectly via an antenna and the other comes directly from the source of noise. While the antenna is connected at the point a of the basic-circuit diagram (see Fig. 2) of an ordinary input circuit (for example, of IP-12-2M), the measuring object is connected via a coaxial cable in direct measurement. In order to be able to determine the effect on the noise-signal emitter in this case, the input impedance of such a measuring arrangement is of interest. For this purpose, the impedance

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Input Impedance of Noise Meters for the
Radiofrequency Range

S/108/60/015/006/012/012/XX
B010/B070

\bar{Z}_n at the point b (see Fig. 2) is calculated by the usual high-frequency calculation methods, so that the input impedance of the cable terminated by \bar{Z}_n can be calculated, which is identical with the total input impedance of the measuring instrument. In the presence of a capacitive voltage divider, \bar{Z}_n can be substituted by the impedance of the voltage divider. For reducing the frequency dependence when measuring on an object, the "Standards for the Permissible Maximum Industrial Radio Interferences" recommend the insertion of an artificial antenna (see Fig. 1) with the following constants: $R_e = 150 \text{ ohms} \pm 10\%$, $L = 0.4 \text{ microhenry} \pm 20\%$, $C_1 = C_2 = 0.1 \text{ microfarad} \pm 20\%$, $C = 60 \text{ micromicrofarads} \pm 10\%$. The total load \bar{Z}_e for the measuring object then consists of the parallel circuit of R_e and the input impedance of the measuring instrument. The frequency-response curve of the active component R'_e of \bar{Z}_e is shown in Fig. 5. R_{input} and X_{input} are the active and reactive impedances of the measuring instrument. It is seen from Fig. 5 that the reactance of the input circuit of the noise meter, together with the reactances of the measuring object, has a considerable

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1.4
Input Impedance of Noise Meters for the
Radiofrequency Range

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effect due to the formation of spurious resonance; this leads to difficulties in the accuracy of the measurement. For this reason, the modified circuit of Fig. 6 is proposed, which guarantees an input impedance of 150 ohms \pm 10% for the whole frequency range. The phase angle is less than 9° . This is lower than the limit set by the International Special Commission for Radio Interferences. However, this input circuit lowers sensitivity to one-third, and this must be taken into account when designing a noise meter. There are 6 figures and 5 references: 4 Soviet and 1 US.

SUBMITTED: October 10, 1958 (initially) and March 28, 1959 (after revision)

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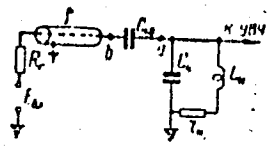
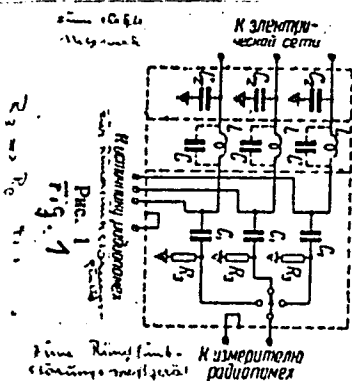


Рис. 2 Fig. 2

$E_{\text{дв}} \rightarrow E_{\text{ант}}$ $T_{\text{дв}} \rightarrow T_{\text{ант}}$
к УЗЧ \rightarrow э. НЧ-У.

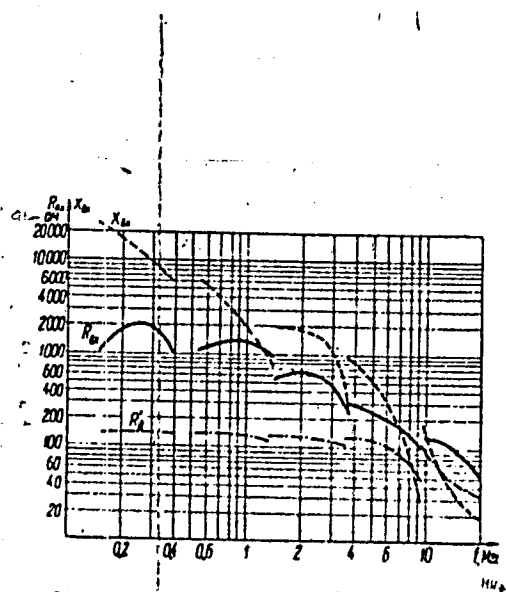


Рис. 5 Fig. 5

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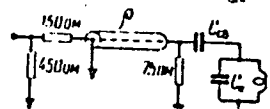


Fig. 6
Рис. 6

FASTOVSKIY, Izya Abramovich; FURMANOV, Il'ya Mikhaylovich; SHTEYNBOK,
G.Yu., inzh., ved. red.; SOSNOVSKIY, A.A., inzh., red.; PONOMAREV,
V.A., tekhn. red.

[Specialized radio interference measuring devices] Spetsial'nye iz-
meriteli radiopomekh. Moskva, Filial Vses. in-ta nauchn. i tekhn.
informatsii, 1958. 45 p. (Peredovoi nauchno-tekhnicheskii i pro-
izvodstvennyi opyt. Tema 36. No.P-58-21/6) (MIRA 16:3)
(Radio measurements) (Radio--Interference) (Interferometer)

L 36852-66 EWT(1)

ACC NR: AP6023863

SOURCE CODE: UR/0108/66/021/007/0076/0077

AUTHOR: Furmanov, I. M. (Active member)

ORG: none

TITLE: Cathode adder of r-f signals *16*

SOURCE: Radiotekhnika, v. 21, no. 7, 1966, 76-77

TOPIC TAGS: adder, cathode follower

ABSTRACT: A variant of a standard cathode follower adder, suitable for r-f signal summing, is shown in Fig. 1. $F_1, F_2 \dots F_n$ are bandpass filters which pass individual

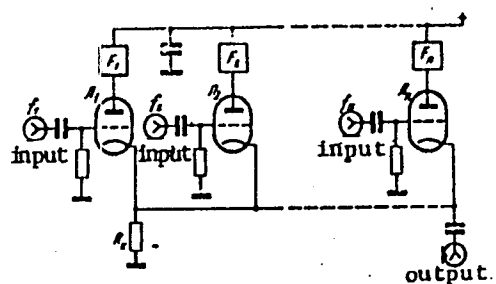


Fig. 1. Cathode follower adder

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UDC: 621.375.132.3

L 36852-66

ACC NR: AP6023863

frequencies to the common load R_K , thus obtaining nearly true addition of simultaneous signals. With enough stages, n , and enough gain per stage, the overall transfer constant approaches a value of n times the normal cathode follower figure. Orig. art. has: 1 figure and two formulas. [SH]

SUB CODE: 09/ SUBM DATE: 25Jun65/ ATD PRESS: 5039

Card 2/2

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Lowering the freezing point of water. Pozh.delo 3 no.3:19 Mr '57.
(MLRA 10:4)

(Freezing points)

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RUSSANOV, S.I., Docent: S.I. RUSSANOV, S.I.

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Therapeutic role of oxsacalcinol in dermatology. Vest. ven. i derm., No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED

KRICHÉVSKIY, A.M., professor; FURMANOV, S.I., kandidat meditsinskikh nauk; MESHCHANINOVA, Ye.A.

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(MLRA 7:2)

1. Iz Ukrainskogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (direktor - professor A.M.Krichevskiy).
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USSR/Pharmacology. Toxicology. Vitamins.

V

Abs Jour: Ref. Zhur. - Biol., No 22, 1958, 102875

Author : Furmanov, S. I.

Inst : Kharkov Scientific Medical Society

Title : The Treatment of Certain Dermatoses with
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Orig Pub: Tr. Khar'kovsk. nauchn. med. o-vo, 1957, vyp.
9, 175-179

Abstract: Of 242 patients with various skin diseases who
were treated with nicotinic acid (intravenously
and internally), a therapeutic effect was noted
in 160 (68%). Along with this the clinical signs
disappeared in 36 patients (14.9), considerable
improvement took place in 29 (11.9%) and improve-
ment in 95 (39.2%); there was no success in 80

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Author : Gorodetskaya, P.M., Furmanskaya, A.Ya.
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Orig Pub : In symposium: Dysentery. Kiev, Gosmedizdat UkrSSR, 1956,
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Abstract : Adry dysentery phage in combination with sulfonamides in
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Author : Furmanski, W., Mittlenor, J.

Inst : -

Title : Certain Problems in Daylight Projection

Orig Pub : Kinotechnik (Polska), 1958, 11, No 123, 2607-2614

Abstract : The author considers the effect of scattered light on the quality of the image during daylight motion picture projection, depending on the optical properties of the surface of the screen and the viewing conditions.

Card 1/1

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APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000513910017-4

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A. A. Boethink

ASB-314 METALLURGICAL LITERATURE CLASSIFICATION

1950M JUNE 1951 JULY 1952 AUG 1953 SEP 1954 OCT 1955 NOV 1956 DEC 1957 JAN 1958 FEB 1959 MAR 1960 APR 1961 MAY 1962 JUN 1963 JUL 1964 AUG 1965 SEP 1966 OCT 1967 NOV 1968 DEC 1969 JAN 1970 FEB 1971 MAR 1972 APR 1973 MAY 1974 JUN 1975 JUL 1976 AUG 1977 SEP 1978 OCT 1979 NOV 1980 DEC 1981 JAN 1982 FEB 1983 MAR 1984 APR 1985 MAY 1986 JUN 1987 JUL 1988 AUG 1989 SEP 1990 OCT 1991 NOV 1992 DEC 1993 JAN 1994 FEB 1995 MAR 1996 APR 1997 MAY 1998 JUN 1999 JUL 2000 AUG 2001 SEP 2002 OCT 2003 NOV 2004 DEC 2005 JAN 2006 FEB 2007 MAR 2008 APR 2009 MAY 2010 JUN 2011 JUL 2012 AUG 2013 SEP 2014 OCT 2015 NOV 2016 DEC 2017 JAN 2018 FEB 2019 MAR 2020 APR 2021 MAY 2022 JUN 2023 JUL 2024 AUG 2025 SEP 2026 OCT 2027 NOV 2028 DEC 2029 JAN 2030 FEB 2031 MAR 2032 APR 2033 MAY 2034 JUN 2035 JUL 2036 AUG 2037 SEP 2038 OCT 2039 NOV 2040 DEC 2041 JAN 2042 FEB 2043 MAR 2044 APR 2045 MAY 2046 JUN 2047 JUL 2048 AUG 2049 SEP 2050 OCT 2051 NOV 2052 DEC 2053 JAN 2054 FEB 2055 MAR 2056 APR 2057 MAY 2058 JUN 2059 JUL 2060 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FURTHER, L. Ye		PROPERTIES AND PROPERTIES INDEX	
CA	<p>Heat transfer in packed scrubbers and towers. N. M. Zhavoronkov and I. R. Puzanov. <i>Khimicheskaya Prom.</i> 1944, No. 12, 7-9. — Heat-transfer coeffs. in the water-cooling of dry air in packed scrubbers were detd. The velocity of air was 0.167-0.85 m. per sec. through the free cross section of the scrubber; the intensity of spraying was 3.5-25.0 cu. m. per sq. m. per hr.; the packing was Raschig rings, coke, and several types of wooden lattices. The air was preheated to 75-80°; the tower was 0.5 m. in diam. and 2.5 m. high; the packing approx. 1 m. high. The heat-transfer coeff. calcd. per unit area of packing was independent of the diam. of the rings. Wooden lattices gave the same coeffs. as Raschig rings, while coke gave higher coeffs. At small intensities of irrigation orderly and random packing had the same coeffs.; as the irrigation intensity increases, the coeffs. for random packing were somewhat higher. The coeffs. for Raschig rings (80 X 80 mm.) were the same for orderly as for random packing; the pressure drop was several times higher for random packing. The relation among coeff. of heat transfer, velocity of air, and rate of irrigation is given by $K = 7.1 \bar{w}^{0.4} L^{0.6}$, where \bar{w} is the velocity of air in m. per sec. through the free cross section of the scrubber, and L is the rate of irrigation in cu. m. per sq. m. per hr. in an empty scrubber. M. Hosen</p>		
A11-514 METALLURGICAL LITERATURE CLASSIFICATION			
SOURCE (SYMBOL)		COLLECTION	
10000 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100		10000 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	

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(Magnesium alloys)

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Device for lifting the one-track trolley for repairing. p. 21.

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Phosphate coating as an active lubricant in the cold processing
of metals. Mashinostroene 13 no.6:30-31 '64

1. Metallurgical Plant, Kazanluk.

FORMICA, D

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The gravimetric determination of copper with *m*-nitrobenzaloxime. Eugene Papafil, Marie-A. Papafil, and Dominica Furnica. *Analele chim. univ. "Al. I. Cuza" Iasi*, Ser. I [N.S.], 3, 293-301 (1957); cf. *C.A.* 32, 904h. —A cold, dild. aq. soln., contg. 0.02-0.08 g. Cu, is treated with just sufficient dil. NH_4OH to clarify the soln. To this an excess of a dild. warm water soln. of *m*-nitrobenzaloxime is added dropwise and with continuous agitation. A green amorphous ppt. of $(\text{C}_7\text{H}_5\text{N}_2\text{O}_2)_2\text{Cu}_2(\text{OH})_2$ is immediately formed, which by warming and under violent agitation for 5-10 sec., is very easily agglomerated and filtered on a fritted-glass filter. The ppt. is washed with water and Et_2O and weighed.

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The Na, K, NH_4 , Ca, Ba, Sr, SO_4 , NO_3 , Cl, CH_3 , COOH ions do not interfere. Martin Liquornik—

FURNICA, D.

RUMANIA / Physical Chemistry. Electrochemistry. 3-12
 Abs Jour: Ref Zhur-Khimiya, No 8, 1959, 26623.
 Author: Papirli, E., Papafil, M.A., Furnica, M., and Fur-
 nica, D.
 Inst: Inst. University.
 Title: The Polarographic Behavior of Some Oxalamidines.
 Orig Pub: An Stint Univ Inst, Section 1, 3, N o 1-2, 305-313
 (1957) (in French with German and Russian summaries).

Abstract: The polarographic behavior of solutions of tetra-
 phenyloxalamidine, diphenyldi-o-tolyloxalamidine
 (1), diphenyldi-m-tolyloxalamidine, diphenyldi-p-
 tolyloxalamidine, di-o-tolyldi-m-tolyloxalamidine,
 and di-o-tolyldi-p-tolyloxalamidine in $C_2H_5OH + H_2O$
 (1 : 1 mixtures) at pH 3.6-9 has been investigated.
 A $CH_3COOH + CH_3COONa$ buffer solution was used as
 the supporting electrolyte in the acid region and

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Abstract: an $NH_4OH + NH_4Cl$ and $H_2BO_3 + NaCl + NaOH$ solution
 was used in alkaline solution. All of the sub-
 stances investigated give a single wave. When
 the pH is increased the half-wave potential is
 shifted to more negative values and the height and
 slope of the corresponding waves are decreased.
 At the same pH, the $E_{1/2}$ of all of the investigated
 substances (except 1) practically coincide; 1 is
 reduced at more negative E than the other oxami-
 dines at all pH values. A proportionally ex-
 tends to exist between the height of the wave and
 the concentration of the substances investigated
 in both acid and alkaline medium. -- D. Kaplan.

Card 2/2

E-2

COUNTRY: : Rumania
 CATEGORY: :
 ABS. JOUR. : RZKhim., No. 5 1960, No. 17515
 AUTHOR : Papafil, E., Papafil, M., Furnica, D., and Furnica, M.
 INST. : Iasi University
 TITLE : The Gravimetric Determination of Copper with Tetraphenylloxalamidine
 ORIG. PUB. : An Stiint Univ Iasi, Section 1, 4, No 2, 139-142 (1958)
 ABSTRACT : It has been established that the reaction of Cu(2+) with tetraphenylloxalamidine (I) in neutral or weakly acid medium in the presence of NH₄Cl leads to the formation of a brown complex (exact composition not determined), which on ignition to CuO is suitable for the gravimetric determination of small amounts of Cu. The Cu salt solution to be analyzed (0.0063-0.0190 gm Cu) is treated with 10-20 ml 2 N NH₄Cl, diluted with water to 50 ml, and treated dropwise with 50 ml of an ethanolic solu-

CARD: 1/3

E-2

COUNTRY: :
 CATEGORY: :
 ABS. JOUR. : RZKhim., No. 5 1960, No. 17515
 AUTHOR :
 INST. :
 TITLE :
 ORIG. PUB. :
 ABSTRACT : tion of I containing 0.04-0.12 gm I (3-4-fold excess). The solution with the amorphous flaky precipitate which is formed is stirred for 5-10 min, allowed to stand 15 min, and filtered through a blue ribbon [sic] filter; the residue is rinsed with cold water (the excess reagent is burned off during the subsequent ignition of the precipitate), ignited at gradually increasing temperatures, and weighed. The presence of up to a 12-fold excess of alkali, alkaline earth, and a majority of the

CARD: 2/3

PONI, Margareta, prof.; PAPAFIL, Anne-Marie; FURNICA, Domnica

Complex salts with aurintricarboxylic acid. Studii chim Iasi
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Sectia de chimie anorganica. 2. Membru al Comitetului de redactie,
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14 no. 2:181-190 '63.

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